## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER ACTION	si as well as,	ee Form PCT/ISA/220 where applicable, Item 5 below.
20826/311945 International application No.	International filing date (day/month	h/year) (E	Earliest) Priority Date (day/month/year)
International application No.		j	27/22/22/2
PCT/US2004/038172	15/11/2004		17/11/2003
Applicant			
MAGNA INTERNATIONAL INC.			
This International Search Report has been	prepared by this International Sea	rching Authorit	y and is transmitted to the applicant
according to Article 18. A copy is being to	ansmitted to the International Burea	u.	
This International Search Report consists			
X It is also accompanied by	a copy of each prior art document of	dited in this rep	ort.
Basis of the report		<u> </u>	
- web-moned to the language the	international search was carried ou ess otherwise indicated under this i	t on the basis of tem.	of the international application in the
The international this Authority (Ru		of a translatio	n of the international application furnished to
b. With regard to any nucleo	otide and/or amino acid sequence	e disclosed in t	he international application, see Box No. I.
2. Certain claims were fou	nd unsearchable (See Box II).		
3. Unity of invention is lac	king (see Box III).		
4. With regard to the titte,			
the text is approved as su			
the text has been establis	hed by this Authority to read as foll	ows:	
5. With regard to the abstract, the text is approved as su	hmitted by the anolicant.		
Tyl use toyt bac boon actablic	had according to Rule 38 2(b), by	this Authority a	s it appears in Box No. IV. The applicant
may, within one month fro	m the date of mailing of this interna-	ational search	report, submit comments to this Authority.
6. With regard to the drawings,			
a. the figure of the drawings to be p	ublished with the abstract is Figure	No2	
as suggested by t	•		
	Authority, because the applicant i		
	s Authority, because this figure bet	ter characteriz	es the invention.
b. none of the figures is to be	published with the abstract.		

Form PCT/ISA/210 (first sheet) (January 2004)

### INTERNATIONAL SEARCH REPORT

PCT/US2004/038172

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet) A method and apparatus for hydroforming a metal part includes placing a part to be formed (510) within a die (512), closing the die to enclose the part to be formed, and introducing a high pressure fluid to an interior of the die for expanding the part against an interior surface of the die. The high pressure fluid has a pulse applied thereto for increasing a material flow of the part within the die.

Form PCT/ISA/210 (continuation of first sheet (3)) (January 2004)

# A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B21D26/02 B21D26/06

According to International Patent Classification (IPC) or to both national classification and IPC

#### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) I PC 7 B21D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

Čategory *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to daim No.
X	WO 99/41028 A (DAIMLERCHRYSLER AG; BIKERT, ARNDT; BOBBERT, STEFAN) 19 August 1999 (1999-08-19) page 3, paragraph 5 - page 6, paragraph 2; figures 1,2	:1-15
X	DE 100 19 912 A1 (FORSCHUNGSGESELLSCHAFT UMFORMTECHNIK MBH) 31 October 2001 (2001-10-31)	1-3,5-7, 9,11,15
A	column 2, line 7 - column 3, line 24; figures 1,3	4,8,10, 12
X.	EP 0 985 465 A (KABUSHIKI KAISHA OPTON) 15 March 2000 (2000-03-15) column 8, line 51 - column 9, line 51; figures 1,6	1,2,5,6, 9,11,15
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Further documents are listed in the continuation of box C.	Y Patent lamily-members are issed in annex.
Special categories of cited documents:  A' document defining the general state of the art which is not considered to be of particular retevance.	'T' tater document published after the international filing date or priority date and not in conflict with the application but clied to understand the principle or theory underlying the invention
*E* earlier document but published on or after the international filing date  *L* document which may throw doubts on priority claim(s) or	'X' document of perticular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
which is cited to establish the publication date of another citation or other special reason (as specified).  *O* document reterring to an oral disclosure, use: exhibition or other means.  *P* document published prior to the international filing date but later than the priority date claimed.	<ul> <li>'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person sidled in the art.</li> <li>'&amp;' document member of the same patent tamily</li> </ul>
Date of the actual completion of the international search	Date of mailing of the international search report
7 March 2005	31/03/2005
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Ritter, F

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Form PCT/ISA/210 (continuation of second sheet) (January 2004)

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